

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0020_01_s _ 2013_9				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0020_01_s _ 2013_10				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Sutter Maintenance Yard East-West Interceptor

No Photos

View of the vegetation along the landside toe.

View of the vegetation along the levee crown and waterside.

Page 2 of 6

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.43	Rating **	M	Issue No.	14
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171422°	39.171422°
				-121.751978°	-121.751978°
DWR ID	DWR_ST0020_01_f_2016_14				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limb from the waterside.					

Photo 1 of 1 : FA_2016_ST0020_213_14_20161107_00018.jpg



View of a fallen limb.

LM Start	0.51	Rating **	M	Issue No.	25
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171392°	39.171317°
				-121.750478°	-121.744545°
DWR ID	DWR_ST0020_01_f_2016_25				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Olleanders are partially blocking visibility and access.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.62	Rating **	U	Issue No.	4
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171292 °	39.171232 °
				-121.748868 °	-121.748175 °
DWR ID	DWR_NA0020_01_s_2012_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the concrete ditch.					

LM Start	0.62	Rating **	U	Issue No.	4 (cont)
LM End	0.65	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA_2016_ST0020_213_4_20160823_00005.jpg



View the erosion along the concrete ditch.

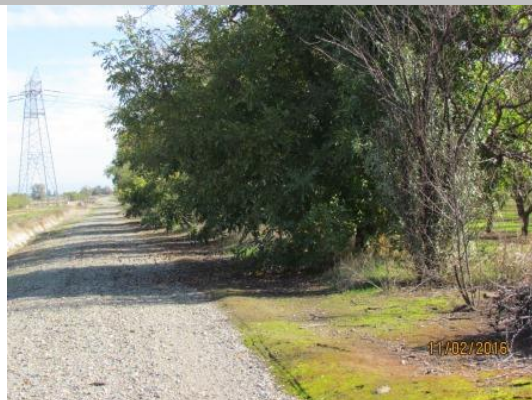
Photo 2 of 2 : FA_2016_ST0020_213_4_20161107_00020.jpg



Another view the erosion along the concrete ditch.

LM Start	1.11	Rating **	M	Issue No.	18
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171283°	39.171243°
				-121.739315°	-121.736312°
DWR ID	DWR_ST0020_01_f_2016_18				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0020_213_18_20161107_00024.jpg



View of the trees blocking visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain


+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

Photo 1 of 1 : FA_2016_ST0020_213_22_20161107_00026.jpg



View of the erosion along the bank.

Photo 1 of 1 : FA_2016_ST0020_213_24_20161107_00027.jpg



View of the erosion along the bank.

Photo 1 of 2 : FA_2016_ST0020_213_6_20160823_000007.jpg



Repair the erosion along the waterside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.65	Rating **	U	Issue No.	6 (cont)	
LM End	1.65	Issue Type +	Ma	Location *	WS	
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.171132°		39.171132°
				-121.729312°		-121.729312°
DWR ID	DWR_NA0020_01_s_2012_6					
Comment Code						
Inspector Comment						
Sutter Yard needs to repair the erosion before winter.						

Photo 2 of 2 : FA_2016_ST0020_213_6_20160823_00008.jpg



Repair the erosion along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171116°	39.171101°
				-121.726501°	-121.721857°
DWR ID	DWR_NA0020_02_s_2012_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0020_214_11_20161107_00045.jpg



View of the annual grass along the landside slope.

LM Start	0.03	Rating **	M	Issue No.	24
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171152°	39.171160°
				-121.725937°	-121.721673°
DWR ID	DWR_ST0020_02_f_2016_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0020_214_24_20161107_00046.jpg




View of the annual grass along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi


Photo 1 of 1 : FA_2016_ST0020_214_31_20161107_00047.jpg



11/02/2016

View of the overgrown trees blocking visibility and access.

Photo 1 of 1 : FA_2016_ST0020_214_28_20161107_00049.jpg



View of the tires along the waterside berm.

Photo 1 of 1 : FA_2016_ST00020_214_2_20161107_00050.jpg



A photograph of a gravel road or path stretching into the distance. The road is flanked by grassy slopes. On the right side, there is a large, dense, green tree. The sky is blue with some light clouds. A date stamp '11/02/2016' is visible in the bottom right corner of the photo.

View of the vegetation on both slopes.

Thursday, December 08, 2016 15:39 **FINAL DATA** Page 2 of 5

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	0.65	Rating **	M	Issue No.	29
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171033°	39.171033°
				-121.714398°	-121.714398°
DWR ID	DWR_ST0020_02_s_2016_29				
Comment Code					
DE : Debris					
Inspector Comment					
Mattress and tree clippings on landside.					

No Photos

LM Start	1.43	Rating **	M	Issue No.	3
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170782 °	39.170865 °
				-121.700167 °	-121.698165 °
DWR ID	DWR_NA0020_02_s_2012_3				
Comment Code					
DE : Debris					
Inspector Comment					
Remove the broken concrete.					

Photo 1 of 2 : FA_2016_ST0020_214_3_20160823_00003.jpg



View of the piles of broken concrete.

LM Start	1.43	Rating **	M	Issue No.	3 (cont)
LM End	1.52	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_ST0020_214_3_20160823_00004.jpg



View of the pile of broken concrete.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	1.54	Rating **	M	Issue No.	4
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170800 °	39.170732 °
				-121.698105 °	-121.689082 °
DWR ID	DWR_NA0020_02_s_2012_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside slope.					

Photo 1 of 2 : FA_2016_ST0020_214_4_20160823_00005.jpg



View of the erosion along the waterside slope.

LM Start	1.54	Rating **	M	Issue No.	4 (cont)
LM End	2.01	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_ST0020_214_4_20160823_00006.jpg



View of the erosion along the waterside slope.

LM Start	2.11	Rating **	M	Issue No.	6
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.170515 °	39.170518 °
				-121.687342 °	-121.682658 °
DWR ID	DWR_ST0020_02_f_2016_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0020_214_6_20161107_00051.jpg



View of the annual grass along the landside slope blocking visibility.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	11/02/2016 11/02/2016	Tariq Chechi

LM Start	2.71	Rating **	M	Issue No.	10
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170548 °	39.170548 °
				-121.675970 °	-121.675970 °
DWR ID	DWR_NA0020_02_s_2012_10				
Comment Code					
MA : Material					
Inspector Comment					
Remove the lumber, garbage and equipment from the landside toe.					

Photo 1 of 1 : FA_2016_ST0020_214_10_20160823_00010.jpg



View of the material, garbage, and equipment along the landside toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---